

Cedar River Trail and Boat Ramp

City Portion of Replacement of the Collapsed CRANDIC RR Bridge

Project's Preliminary Cost Estimate

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Item Description	Cost	Comment
Trail Underpass Construction	\$380,000	See 2nd sheet for detailed estimate
Emergency Boat Ramp Construction	\$50,000	No detailed estimate at this time
Construction Contingency	\$64,500	15% of the construction cost
Design Costs	\$75,425	Existing contract with Ament, Inc.
City's Administration Cost	\$8,075	Typical City admin costs for project development
Construction Observation	\$19,300	Typical City construction observation costs
Total	\$597,300	

Detailed Preliminary Construction Estimate for Trail Underpass

Item Description	Quantity	Unit	Unit Cost	Price
Mobilization	1	LS	\$20,000.00	\$20,000.00
Clearing & Grubbing	1	LS	\$5,000.00	\$5,000.00
Remove Ex. Trail	3,300	SF	\$1.50	\$4,950.00
Remove 30" RCP	85	LF	\$22.50	\$1,912.50
Remove Ex. Wall (assumed avg. 2.5' hgt.)	400	SF	\$5.00	\$2,000.00
28' Soldier Pile Wall	1	LS	\$18,000.00	\$18,000.00
Overexcavation x 2' depth Below Walls	123	CY	\$10.00	\$1,230.00
Crushed Rock Fill Below Walls	185	TON	\$35.00	\$6,475.00
Modular Block Retaining Wall 1,607 SF wall face	2,470	SF	\$35.00	\$86,450.00
Concrete trail paving (5" depth)	13,200	SF	\$4.00	\$52,800.00
2' gravel shoulders each side, 4" depth	28	CY	\$35.00	\$980.00
Overexcavation	256	CY	\$10.00	\$2,560.00
Crushed Rock Fill	384	TON	\$35.00	\$13,440.00
Remove & Replace 6" PCC parking	891	SY	\$43.00	\$38,313.00
New rock mulch between RR ballast and curb	43	CY	\$30.00	\$1,290.00
New Manholes	2	EA	\$4,000.00	\$8,000.00
New Area Inlet	1	EA	\$2,000.00	\$2,000.00
New outlets	1	EA	\$450.00	\$450.00
30" RCP	93	LF	\$60.00	\$5,580.00
18" RCP	30	LF	\$35.00	\$1,050.00
6" perforated subdrain along railroad track	620	LF	\$15.00	\$9,300.00
Riprap	599	TON	\$30.00	\$17,970.00
Excavation & Haul-Off	3,775	CY	\$8.50	\$32,087.50
Railing adjacent to track @ parking lots	553	LF	\$45.00	\$24,885.00
Railing @ retaining wall 176 LF	176	LF	\$45.00	\$7,920.00
Erosion Control - Silt Fence	575	LF	\$3.25	\$1,868.75
Erosion Control Matting	950	SY	\$2.50	\$2,375.00
Tree/shrub replacement on slope	1	LS	\$10,000.00	\$10,000.00
Seeding	0.40	ACRE	\$2,500.00	\$1,000.00
Total				\$379,886.75